635.4p

REPORT ON INSECT SITUATION, SANTA MARIA DISTRICT, LOS PADRES

GARTH F. FLINT
SANTA MARIA, CALIFORNIA
OCTOBER 21, 1939

325.hp2

S
CONTROL
Insect
Los Padres

Santa Maria, California
October 21, 1939

REPORT ON INSECT SITUATION, SANTA MARIA DISTRICT, LOS PADRES

1. Estimate of dead and dying trees.

At the present date, 12 insect-infested trees have been noted in the Figueroa area. Most of these have been completely killed and were not noticed prior to the spring of this year. Each individual tree has not been cut into for purposes of investigating for presence of insects, but there can be little doubt that death resulted from this cause. Those trees so investigated have, in each case, revealed insect activity.

2. Species of timber attacked.

Species of timber include Coulter and ponderosa pine, mostly the former. The Coulter pines, which comprise the greater portion of the timber on the Figueroa area, seem readily subject to attack and to succumb rather quickly after Dendroctinus entry has been gained.

3. Control measures to date.

During the winter and early spring months of the past season, 11 trees were treated by felling, limbing, barking and burning. After May 1, however, it was no longer possible to burn because of the high fire hazard and the balance of the trees, 5 in number, were treated by the solar heat method. Six dead trees were taken by the La Purisima Mission Restoration Project, to be cut up and used in the Mission. The remaining limbs were scattered for sun exposure and bark chipped from stumps. Logs were barked at the Mission and the surface exposed to the sun while being hewn into lumber.

4. Miscellaneous.

Advice on solar treatment and treatment by burning was given this project by Mr. J. E. Patterson of the Bureau of Entomology and Plant Quarantine. Mr. Patterson twice visited the area during the spring and on each occasion spent considerable time going over the area and advising us as to control technique.

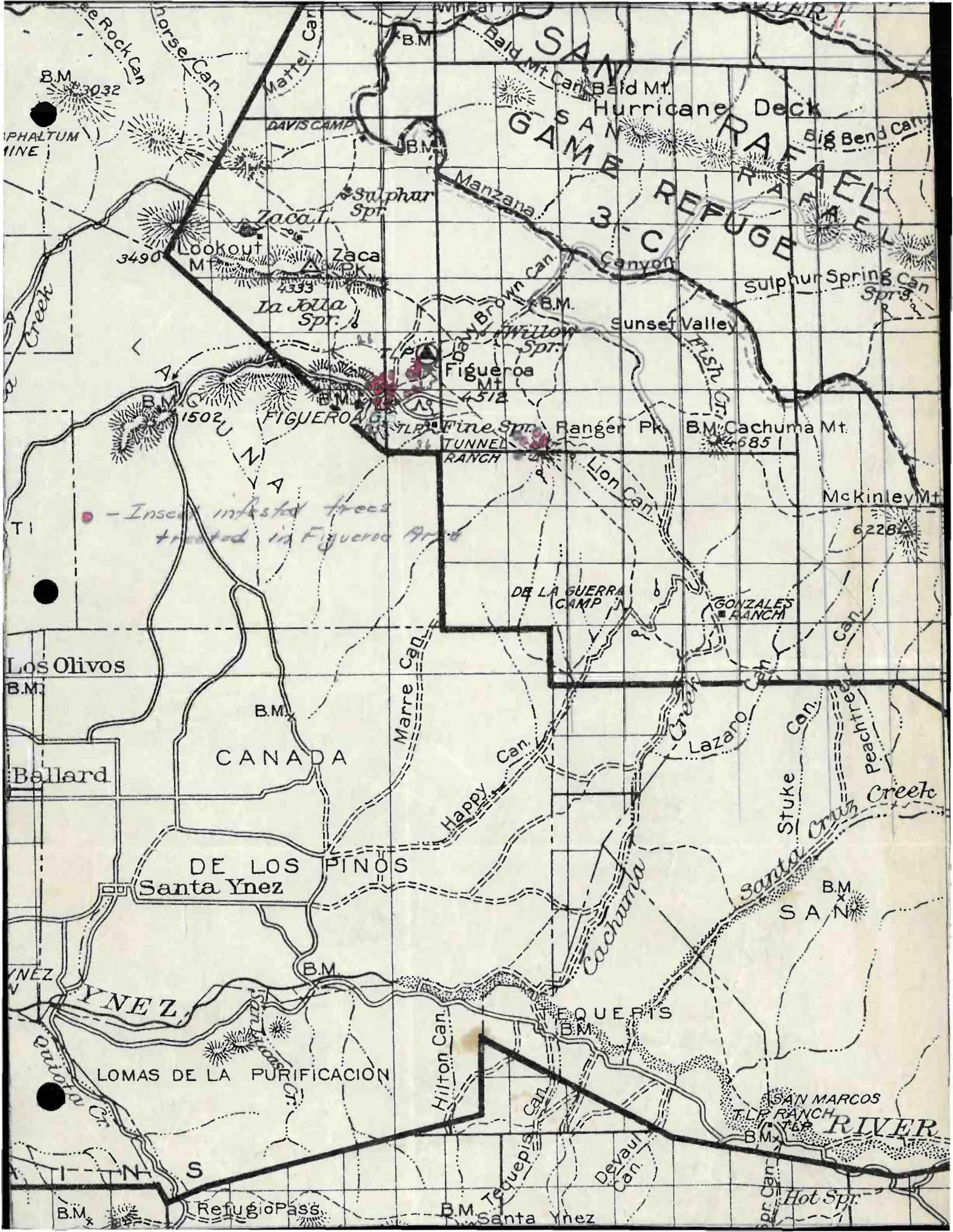
Sixty-one man-days of labor were expended in this effort. Of this amount, 24 man-days were expended in technical supervision by De Tracey, 6 of which were contributed guard time. The balance of the man-days were

obtained through the use of ERA labor. Locations of trees treated are as follows:

Figueroa Mt., near	Special Use cabins:	8 trees
" "	Catway: (ZACA Ridge)	2 "
" "	Picnic Grounds:	4 "
" "	Sawmill Basin:	2 "
Ranger Peak area:		6 "

Since measures are still needed to offset the rather high normal insect losses in this area, it is recommended that, insofar as funds are available, the program be continued. Further losses will no doubt be sustained during the winter period to add to those already noted for the summer and fall periods.

Submitted by: Garth F. Flint, District Ranger


SAN RAFAEL
GAME REFUGE
SAN RAFAEL
3 C
Baldy Mt.
Hurricane Deck
Big Bend Can.
Manzana
Sulphur Spr.
Zaca L.
Lookout Mt.
3490
Zaca Pk.
4333
La Jolla Spr.
Sulphur Spring Can.
Sunset Valley
Figueroa Mt.
4512
FIGUEROA
Fine Spr.
TUNNEL RANCH
Ranger Pk.
Cachuma Mt.
4685
Lion Can.
McKinley Mt.
6228
DE LA GUERRA CAMP
GONZALES RANCH
Los Olivos
CANADA
Ballard
DE LOS PINOS
Santa Ynez
Marre Can.
Happy Can.
Lazaro Creek
Stuke Can.
Peachtree Creek
Santa Cruz Creek
Cachuma
SAN
YNEZ
EQUEPIS
LOMAS DE LA PURIFICACION
Hilton Can.
Tequepis Can.
SAN MARCOS
T.L.P. RANCH
RIVER
Refugio Pass
Santa Ynez
Hot Spr.
Devaul Can.
Fish Cr.
Mattei Can.
Horse Can.
Bald Mt. Can.
Davis Camp
Asphaltum Mine
Quiota Cr.
San Lucas Cr.